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The diagram illustrates a network architecture for block diagram processing. On the left, multiple client computers (labeled 28a, 28b, ..., 28K) are connected to a central network (16). Each client computer contains a CPU (12a, 12b, ..., 12K), Memory (27a, 27b, ..., 27K), and a GUI (18a, 18b, ..., 18K). The network (16) is connected to a File Server (14) on the right. The File Server (14) contains a Graphical Block Diagram Modeling Module (20), which includes a Model Constructor with graphical subclassing (22), Blocks Libraries (24), and a Block Diagram Processing Engine (26).

FIG. 1

FIG. 2A

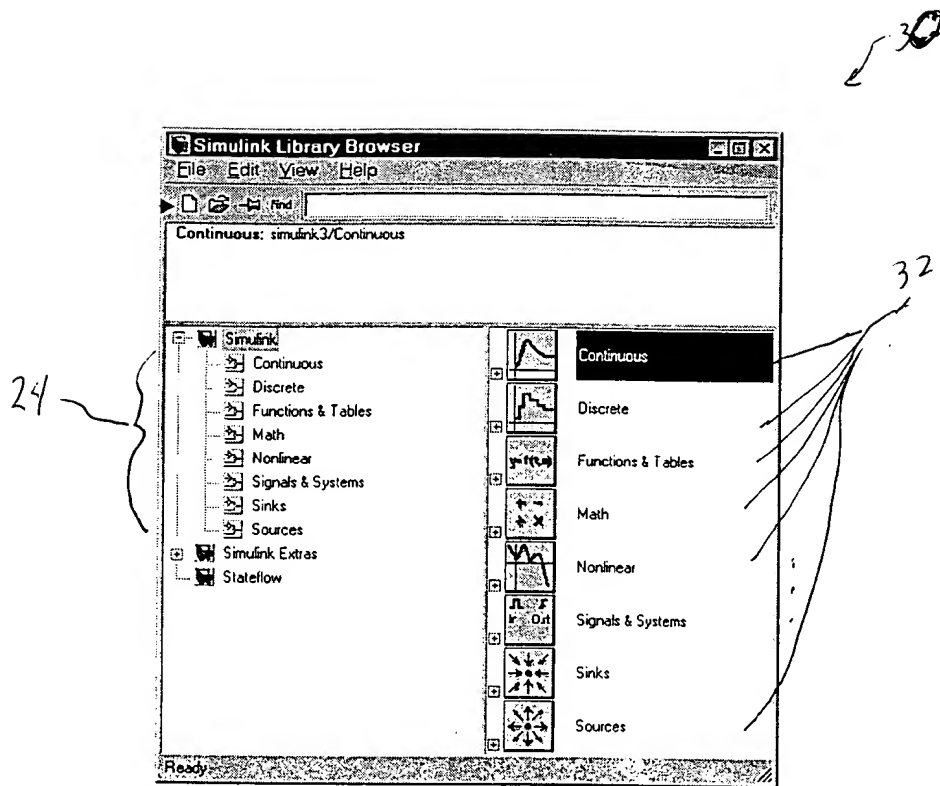


FIG. 2A

FIG. 20

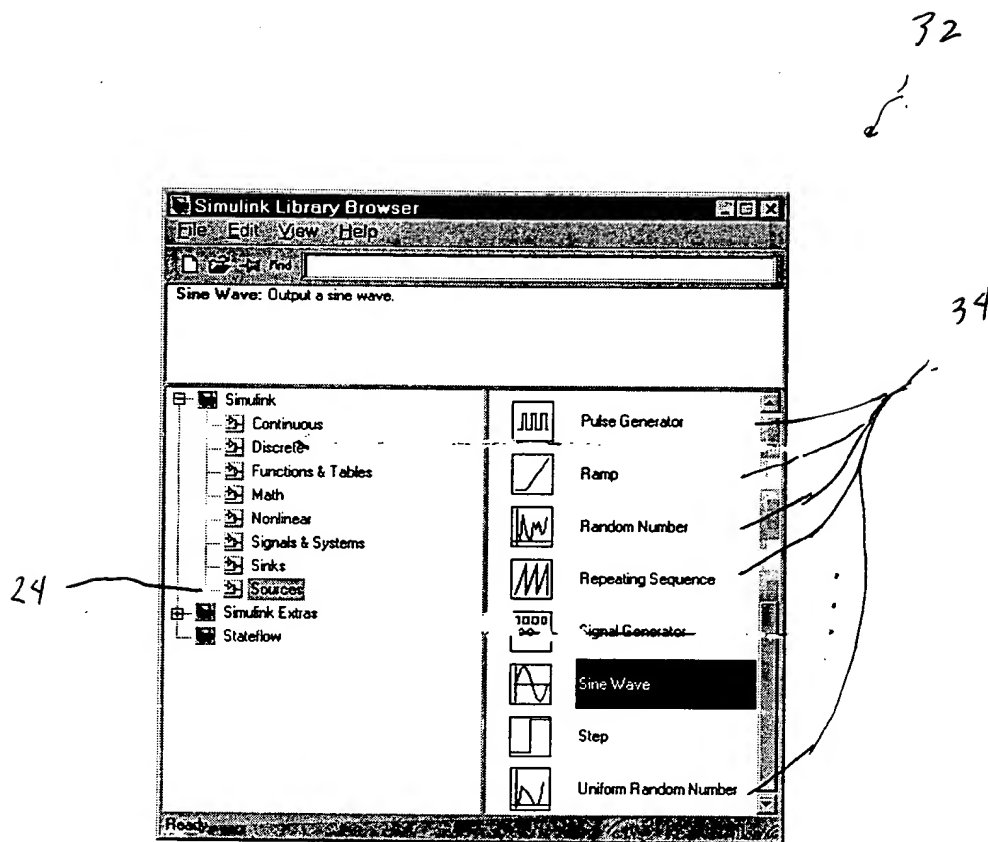


FIG. 2B

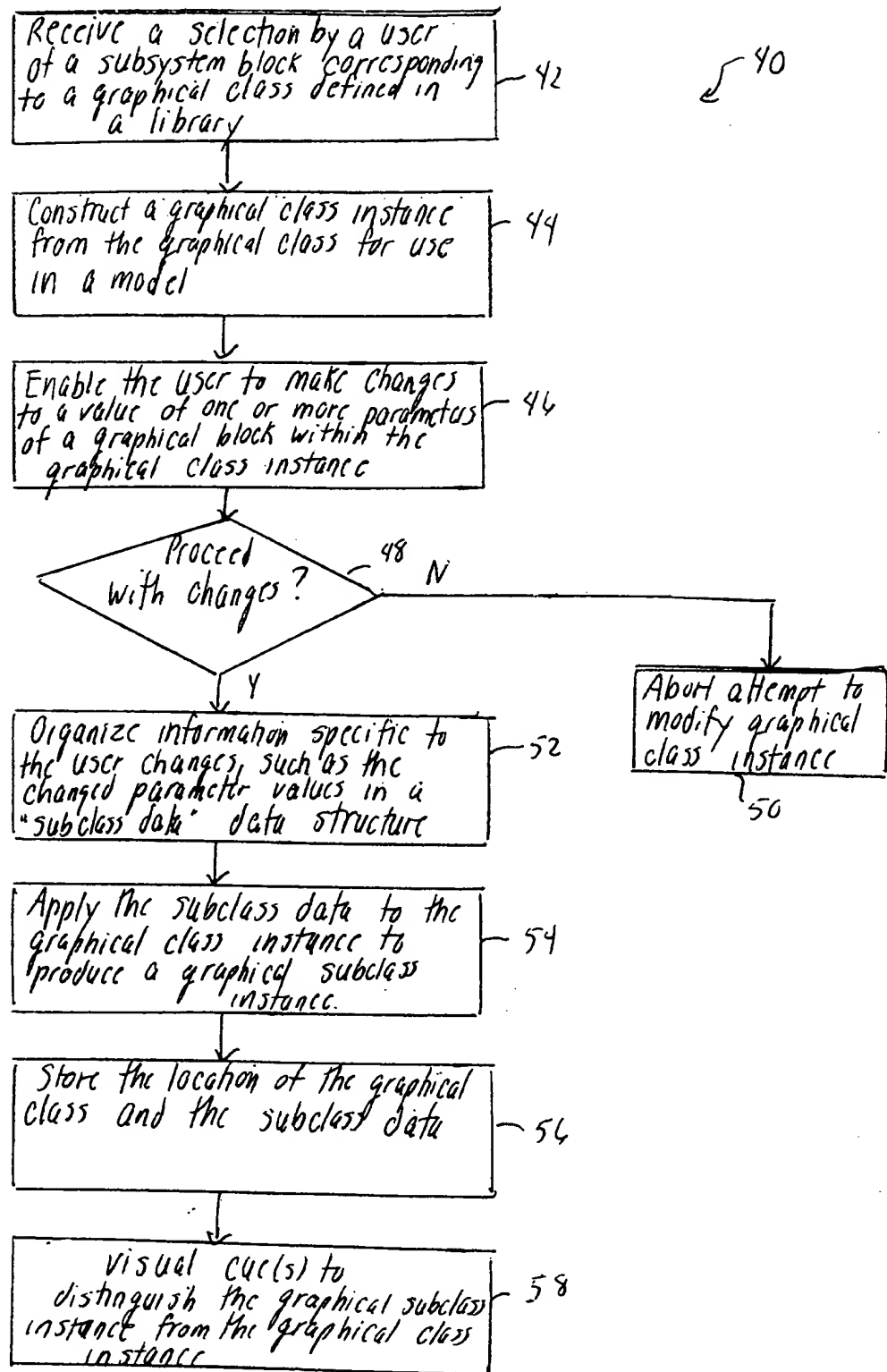


FIG. 3

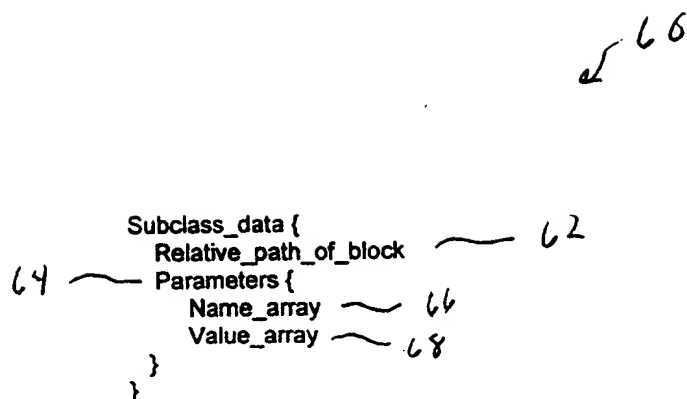


FIG. 4

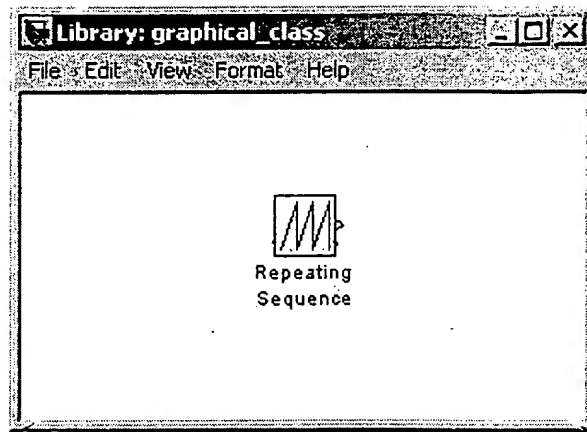


FIG. 5A

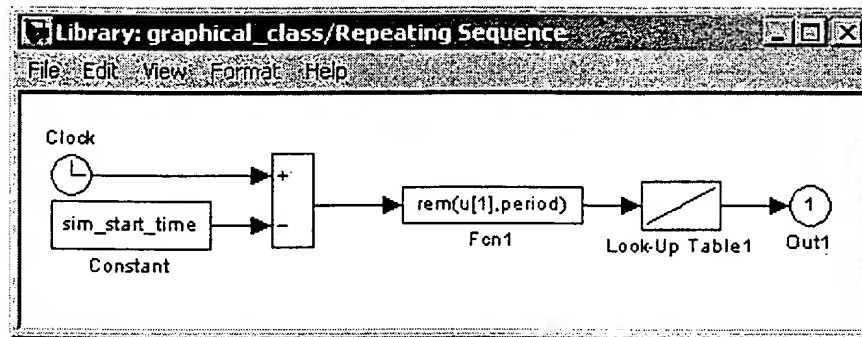


FIG. 5B

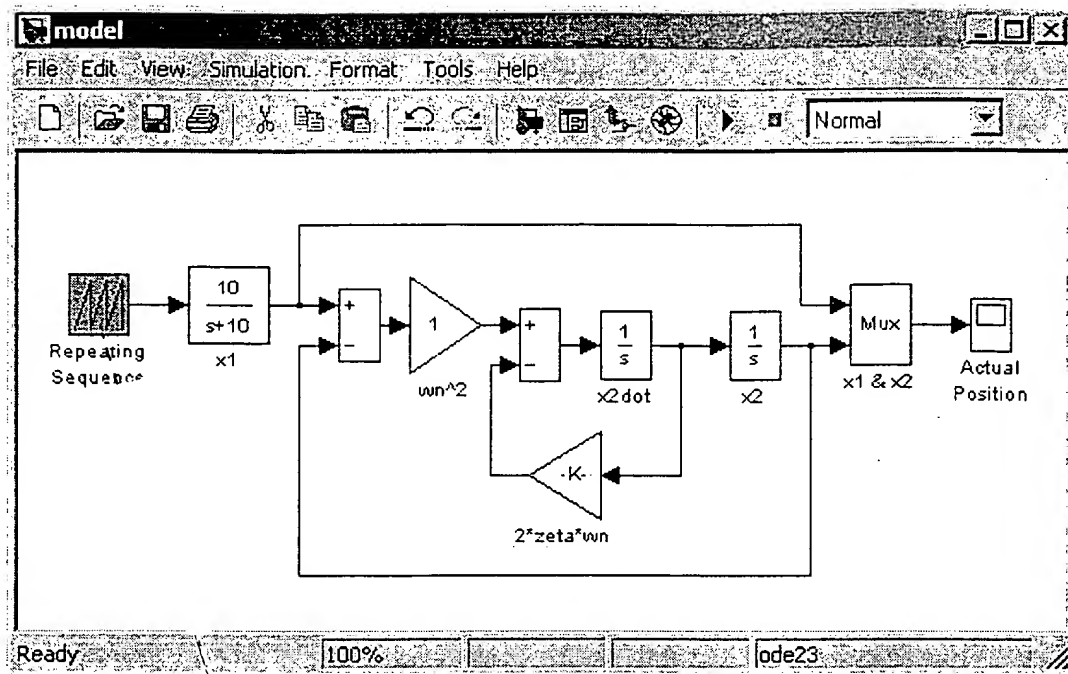


FIG. 5C

The dialog box is titled 'Block Parameters: Repeating Sequence'. It contains the following fields:

- Repeating table (mask):** Output: a repeating sequence of numbers specified in a table of time-value pairs. Values of time should be monotonically increasing.
- Parameters:**
 - Time values:** [0 2]
 - Output values:** [0 2]
- Buttons:** OK, Cancel, Help, Apply.

80

824

826

FIG. 5D

050805-07104
108120-5808050

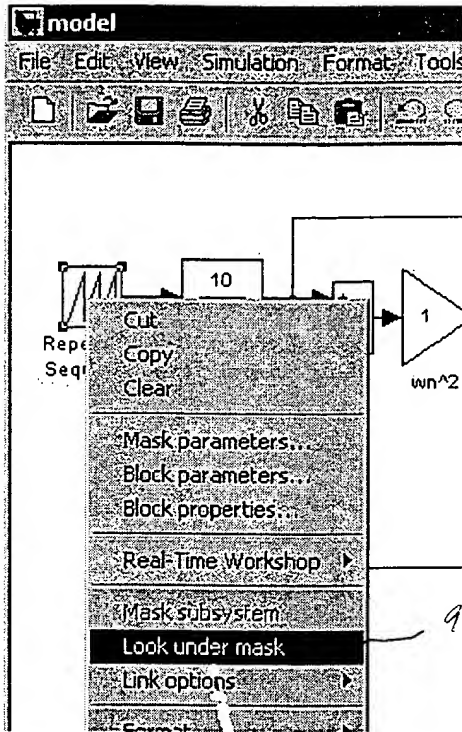


FIG. 5E

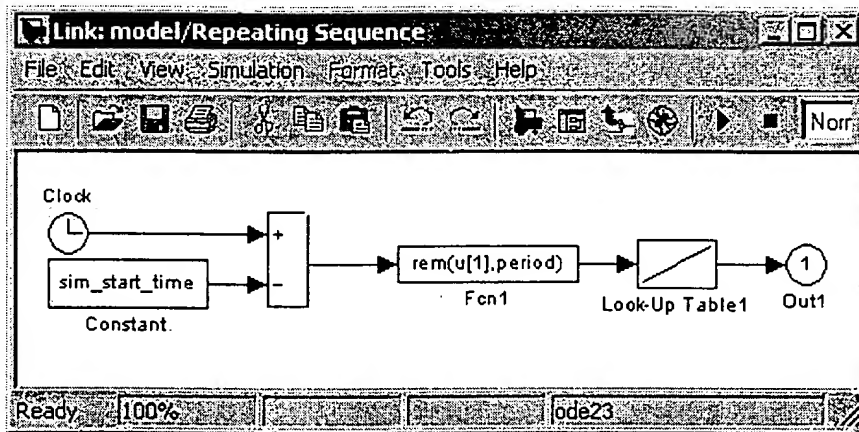


FIG. 5F

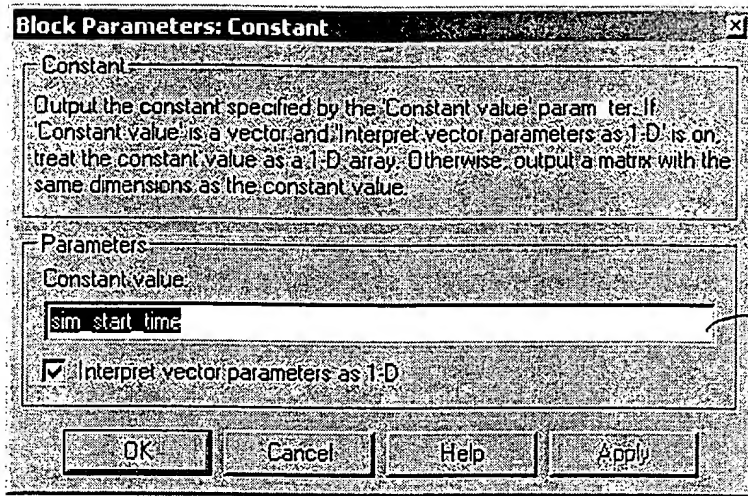


FIG. 5G

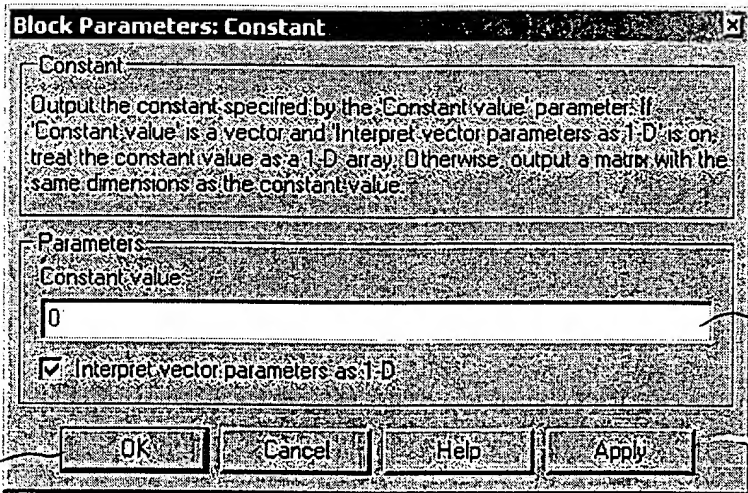


FIG. 5H

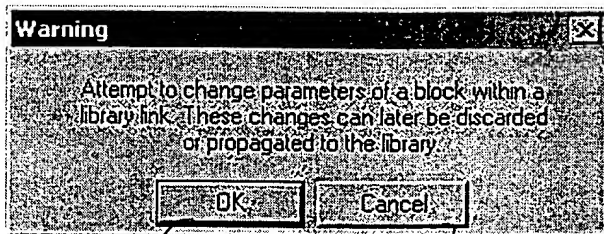


FIG. 5I

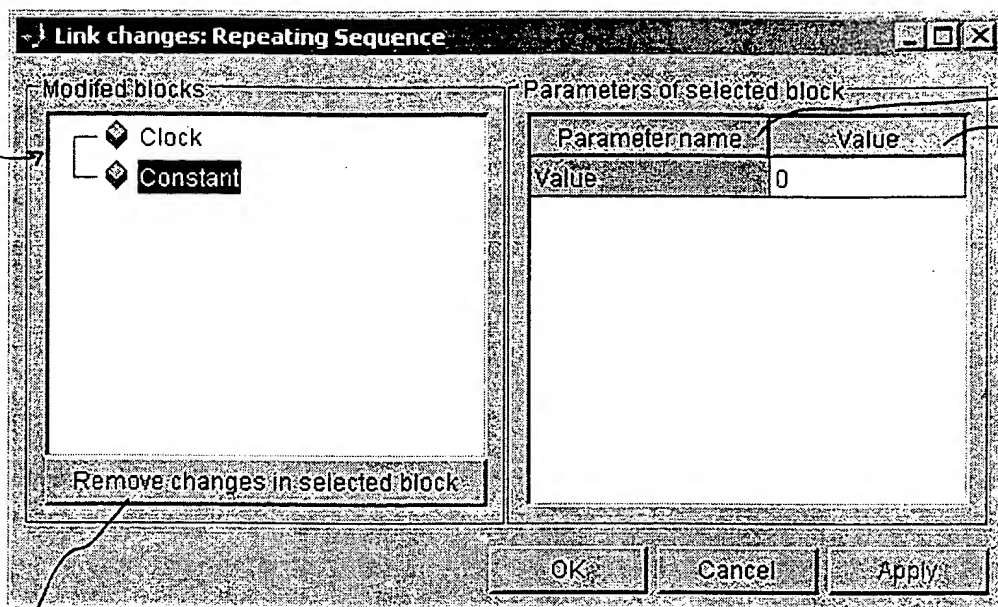


FIG. 5J

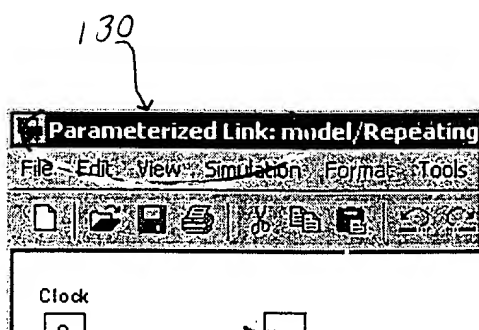


FIG. 5K

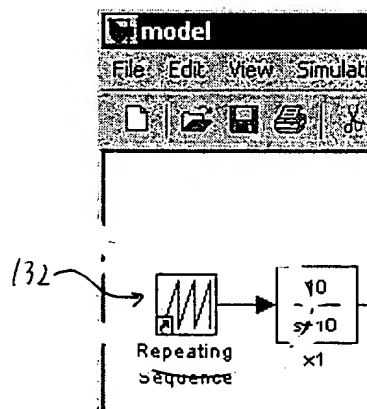


FIG. 5L

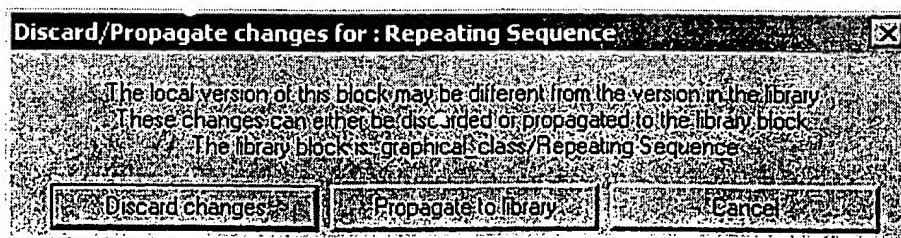


FIG. 5M

FIG. 5J